Docket No.: 1155-0298PUS1

ABSTRACT OF THE DISCLOSURE

Disclosed is a catalyst for olefin polymerization comprising [I] a solid titanium catalyst

component [S] comprising titanium, magnesium, halogen and an electron donor (b), which is

obtained by bringing a solid adduct consisting of a magnesium compound and an electron donor

(a) into contact with an electron donor (b) and a liquid titanium compound by at least one

method selected from (A) a method of contacting the materials in a suspended state in the

coexistence of an inert hydrocarbon solvent and (B) a method of contacting the materials plural

times in divided portions and [II] an organometallic compound catalyst component [M]

containing a metal selected from the groups I to III in the periodic table.